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What is Claimed is:

1. A method of treating a wound in a subject comprising administering a composition comprising selegiline and/or desmethylselegiline to said subject for a duration sufficient to promote epithelization of said wound
- 5 2. The method of claim 1, wherein said composition is a topical composition comprising selegiline at a concentration of between 1×10^{-11} moles/liter and 1×10^{-3} moles/liter.
3. The method of claim 1, wherein said composition is a topical composition comprising desmethylselegiline at a concentration of between 1×10^{-11} moles/liter and 1×10^{-3} moles/liter.
- 10 4. The method of claim 1 wherein said composition comprises desmethylselegiline in the form of its R(-) enantiomer and the S(+) enantiomer is substantially absent.
5. The method of claim 1, wherein said composition comprises desmethylselegiline in the form of its S(+) enantiomer and the R(-) enantiomer is substantially absent.
6. The method of either claim 2 or 3, wherein said composition is in the form of a cream.
7. The method of either claim 2 or 3, wherein said topical composition is in the form of a
15 gel.
8. The method of claim 1, wherein said composition comprises selegiline delivered by means of a patch.
9. The method of claim 1, wherein said composition comprises desmethylselegiline delivered by means of a patch.
- 20 10. The method of claim 1, wherein said composition further comprises one or more compounds selected from the group consisting of water, suspending agents, thickeners, humectants, preservatives, emollients, emulsifiers, and film formers.

11. A method of treating a burn in a subject comprising administering a composition comprising selegiline and/or desmethylselegiline to said subject for a duration sufficient to promote epithelization of said burn.
12. The method of claim 11, wherein said composition is a topical composition comprising selegiline at a concentration of between 1×10^{-11} moles/liter and 1×10^{-3} moles/liter.
13. The method of claim 11, wherein said composition is a topical composition comprising desmethylselegiline at a concentration of between 1×10^{-11} moles/liter and 1×10^{-3} moles/liter.
14. The method of claim 11, wherein said composition comprises desmethylselegiline in the form of its R(-) enantiomer and the S(+) enantiomer is substantially absent.
15. The method of claim 11, wherein said composition comprises desmethylselegiline in the form of its S(+) enantiomer and the R(-) enantiomer is substantially absent.
16. The method of either claim 12 or 13, wherein said topical composition is in the form of a cream.
17. The method of either claim 12 or 13, wherein said topical composition is in the form of a gel.
18. The method of claim 11, wherein said composition comprises selegiline delivered by means of a patch.
19. The method of claim 11, wherein said composition comprises desmethylselegiline delivered by means of a patch.
20. The method of claim 11, wherein said composition further comprises one or more compounds selected from the group consisting of water, suspending agents, thickeners, humectants, preservatives, emollients, emulsifiers, and film formers.

21. A method of treating a subject for photodamaged skin comprising administering a composition comprising selegiline and/or desmethylselegiline to said subject for a duration sufficient to promote the healing of said photodamaged skin.
22. The method of claim 21, wherein said composition is a topical composition comprising
5 selegiline at a concentration of between 1×10^{-11} moles/liter and 1×10^{-3} moles/liter.
23. The method of claim 21, wherein said composition is a topical composition comprising desmethylselegiline at a concentration of between 1×10^{-11} moles/liter and 1×10^{-3} moles/liter.
24. The method of claim 21, wherein said composition comprises desmethylselegiline in the form of its R(-) enantiomer and the S(+) enantiomer is substantially absent.
- 10 25. The method of claim 21, wherein said composition comprises desmethylselegiline in the form of its S(+) enantiomer and the R(-) enantiomer is substantially absent.
26. The method of either claim 22 or 23, wherein said topical composition is in the form of a cream.
27. The method of either claim 22 or 23, wherein said topical composition is in the form of a
15 gel.
28. The method of claim 21, wherein said composition comprises selegiline delivered by means of a patch.
29. The method of claim 21, wherein said composition comprises desmethylselegiline delivered by means of a patch.
- 20 30. The method of claim 21, wherein said composition further comprises a diluent or carrier comprising one or more compounds selected from the group consisting of water, suspending agents, thickeners, humectants, preservatives, emollients, emulsifiers, and film formers.